ELSEVIER

Journal of Contaminant Hydrology 51 (2001) 289–290

JOURNAL OF
Contaminant
Hydrology

www.elsevier.com/locate/jconhyd

Contents Volume 51, 2001

VOL. 51, NOS. 1–2

Research papers

Field tracer-transport tests in unsaturated fractured tuff
Q. Hu, R. Salve, W.T. Stringfellow and J.S.Y. Wang 1

Grid lysimeter study of steady state chloride transport in two Spodosol types using TDR and wick samplers
P. Seuntjens, D. Mallants, N. Toride, C. Cornelis and P. Geuzens 13

Multiphase flow and transport in fractured clay/sand sequences
D.A. Reynolds and B.H. Kueper 41

Investigation of surfactant-enhanced dissolution of entrapped nonaqueous phase liquid chemicals in a two-dimensional groundwater flow field
T. Saba, T.H. Illangasekare and J. Ewing 63

Successive identification of biodegradation rates for multiple sequentially reactive contaminants in groundwater
Y. Suna, J.N. Petersen and J. Bearc 83

Modeling hydrocarbon biodegradation in tidal aquifers with water-saturation and heat inhibition effects
A.I. El-Kadi 97

Erratum

Erratum to "Hydraulic-conductivity reduction, reaction-front propagation, and preferential flow within a model reactive barrier" [J. Contam. Hydrol. 32 (1998) 333–351]
A.E. Fryar and F.W. Schwartz 127

VOL. 51, NOS. 3–4

Research papers

Characterization of preferential flow in undisturbed, structured soil columns using a vertical TDR probe
J. Lee, R. Horton, K. Noborio and D.B. Jaynes 131

Mineralogical compositions of aquifer matrix as necessary initial conditions in reactive contaminant transport models
C. Zhu and D.S. Burden 145

Transport and fate of organic wastes in groundwater at the Stringfellow hazardous waste disposal site, southern California
J.A. Leenheer, J. Hsu and L.B. Barber 163

In situ assessment of microbial sulfate reduction in a petroleum-contaminated aquifer using push–pull tests and stable sulfur isotope analyses
M.H. Schroth, J. Kleikemper, C. Bolliger, S.M. Bernasconi and J. Zeyer 179

One-dimensional simulation of solute transfer in saturated–unsaturated porous media using the discontinuous finite elements method
E.B. Diaw, F. Lehmann and Ph. Ackerer 197

On the hydro-dispersive equivalence between multi-layered mineral barriers
D. Guyonnet, P. Perrochet, B. Côme, J.-J. Seguin and A. Parriaux 215
Influence of substrate exposure history on biodegradation in a porous medium
J. Park, Y.-M. Chen, J.J. Kukor and L.M. Abriola 233
Tritium and ^{36}Cl as constraints on fast fracture flow and percolation flux in the unsaturated zone at Yucca Mountain
M. Guerin 257

Contents Volume 51, 2001 289